

**Bird Egg TRVs, ATLs, and SLVs**  
**EGG TRVs from Hoffman et al. 1998**

Fl =

Foc =

BMFs taken from Henny et al. 2003 and are specific for each individual Egg TRVs taken (specific to each species) from EPA 2003 or otherwise. A Standard value of 4 was used for each PCB to represent the Results for Sediment Screening Value (SLV) listed in µg/kg dry

**PCB 126**

**KESTREL**

Chemical	Kestrel Egg Individual TRV (mg/kg)	Kestrel Egg Population TRV (mg/kg)	Willamette River Osprey BMF study Whole Body Fish to Osprey Egg
PCB 126	0.0023	0.023	15

**CHICKEN**

Chemical	chicken Egg Individual TRV (mg/kg)	chicken Egg Population TRV (mg/kg)	Willamette River Osprey BMF study Whole Body Fish to Osprey Egg
PCB 126	0.0003	0.001	15

**COMMON TERN**

Chemical	common tern Egg Individual TRV (mg/kg)	common tern Egg Population TRV (mg/kg)	Willamette River Osprey BMF study Whole Body Fish to Osprey Egg
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PCB 126	0.0088	0.044	15
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## PCB 77

### Bird Egg TRVs, ATLs, and SLVs

#### KESTREL

Chemical	Kestrel Egg Individual TRV (mg/kg)	Kestrel Egg Population TRV (mg/kg)	Willamette River Osprey BMF study  Whole Body Fish to Osprey Egg
PCB 77	0.02	0.1	3.3

#### CHICKEN

Chemical	chicken Egg Individual TRV (mg/kg)	chicken Egg Population TRV (mg/kg)	Willamette River Osprey BMF study  Whole Body Fish to Osprey Egg
PCB 77	0.005	0.01	3.3

#### MALLARD

	Mallard Egg	Mallard Egg	Willamette River Osprey BMF study
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Chemical	Individual TRV (mg/kg)	Population TRV (mg/kg)	Whole Body Fish to Osprey Egg
PCB 77	5	25	3.3

0.09

0.01

individual PCB (Henny, C.J., J.L. Kaiser, R.A. Grove, V.R. Bentley, and J.E. Ellio  
 original study cited in field comments (U.S. Environmental Protection Agency  
 BSAF.  
 / weight.

ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt Kestrel Individual ATL (TRV/BMF) in mg/kg	In PPM wet wt Kestrel Population ATL (TRV/BMF) in mg/kg	In PPB wet wt Kestrel Individual ATL (µg/kg)	In PPB wet wt Kestrel Population ATL (µg/kg)	BSAF
0.0002	0.0015	0.15	1.53	4

ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt chicken Individual ATL (TRV/BMF) in mg/kg	In PPM wet wt chicken Population ATL (TRV/BMF) in mg/kg	In PPB wet wt chicken Individual ATL (µg/kg)	In PPB wet wt chicken Population ATL (µg/kg)	BSAF
0.00002	0.00007	0.020	0.067	4

ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt common tern Individual ATL (TRV/BMF) in mg/kg	In PPM wet wt common tern Population ATL (TRV/BMF) in mg/kg	In PPB wet wt common tern Individual ATL (µg/kg)	In PPB wet wt common tern Population ATL (µg/kg)	BSAF

0.001	0.003	1	3	4
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ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt Kestrel Individual ATL (TRV/BMF) in mg/kg	In PPM wet wt Kestrel Population ATL (TRV/BMF) in mg/kg	In PPB wet wt Kestrel Individual ATL (µg/kg)	In PPB wet wt Kestrel Population ATL (µg/kg)	BSAF
0.01	0.03	6	30	4

ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt chicken Individual ATL (TRV/BMF) in mg/kg	In PPM wet wt chicken Population ATL (TRV/BMF) in mg/kg	In PPB wet wt chicken Individual ATL (µg/kg)	In PPB wet wt chicken Population ATL (µg/kg)	BSAF
0.00	0.00	2	3	4

ATL OR PROTECTION LEVEL FOR PREY ITEMS				
In PPM wet wt Mallard	In PPM wet wt Mallard	In PPB wet wt Mallard	In PPB wet wt Mallard	

Individual ATL (TRV/BMF) in mg/kg	Population ATL (TRV/BMF) in mg/kg	Individual ATL (µg/kg)	Population ATL (µg/kg)	BSAF
1.52	7.58	1515	7576	4

ott. 2003. Biomagnification factors (fish to osprey eggs from Willamette R  
y. 2003. Analyses of laboratory and field studies of reproductive toxicity i

EGG	EGG
Kestrel Egg Individual SLV (ppb) dry wt	Kestrel Egg Population SLV (ppb) dry wt
0.004	0.04

EGG	EGG
chicken Egg Individual SLV (ppb) dry wt	chicken Egg Population SLV (ppb) dry wt
0.001	0.002

EGG	EGG
Kestrel Egg Individual SLV (ppb) dry wt	Kestrel Egg Population SLV (ppb) dry wt

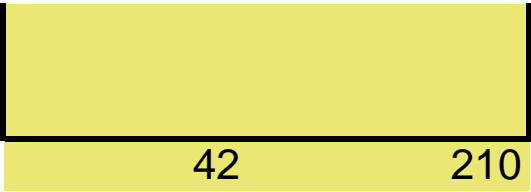
0.016	0.081
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EGG	EGG
Kestrel Egg Individual SLV (ppb) dry wt	Kestrel Egg Population SLV (ppb) dry wt
0.17	0.84

EGG	EGG
chicken Egg Individual SLV (ppb) dry wt	chicken Egg Population SLV (ppb) dry wt
0.04	0.08

EGG	EGG
Mallard Egg Individual SLV (ppb) dry wt	Mallard Egg Population SLV (ppb) dry wt





liver, Oregon, U.S.A.) for PCDDs, PCDFs, PCBs and OC pesticides. Environn  
n birds exposed to dioxin-like compounds for use in ecological risk assessi





**mental Monitoring and Assessment 84:275-315.)** ☐

**ment. U.S. Environmental Protection Agency, Office of Research and I**





**Development, National Center for Environmental Assessment, Cincinnati**







latti, OH EPA/600/R-03/114F, 51 pp.□